Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Development of Parks comes under Attur Ward No.3

					Estimate Cost Rs.			150.00 Lakhs
Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
For Fencing	1	55.00	0.80	0.60	26.40			
	1	103.00	0.80	0.60	49.44			
	1	49.00	0.80	0.60	23.52			
	1	82.00	0.80	0.60	39.36			
In between fencing	1	52.00	0.80	0.60	24.96			
Front of Temple Cobble	1	52.00	26.00	0.25	338.00			
Deduction	-1	7.80	15.00	0.25	-29.25			
	-1	12.00	14.00	0.25	-42.00			
	-1	6.00	6.00	0.25	-9.00			
Debris	1	40.00	10.00	0.35	140.00			
					561.43	**Cum**	**394.42**	**221439.22**
Basic Rate Rs.=	299.00							
Add 6% A.W Rs. =	17.94							
Sub Total =	316.94							
8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
Total Rate Rs. =	394.42							
KSRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
For Fencing	1	55.00	0.80	0.15	6.60			
	1	103.00	0.80	0.15	12.36			
	1	49.00	0.80	0.15	5.88			
	1	82.00	0.80	0.15	9.84			
In between fencing	1	52.00	0.80	0.15	6.24			
For Kerb Stones	2	100.00	0.20	0.10	4.00			
Children Play area kerb stone	1	90.00	0.20	0.10	1.80			
For Benches	5	1.80	1.50	0.15	2.03			
For surround bench kerb	5	6.40	0.20	0.10	0.64			
Front of Temple Cobble	1	52.00	26.00	0.15	202.80			
Deduction	-1	7.80	15.00	0.15	-17.55			
	-1	12.00	14.00	0.15	-25.20			
	-1	6.00	6.00	0.15	-5.40			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
					204.04	**Cum**	**5421.90**	**1106257.37**
Basic Rate Rs.=	5115.00							
Add 6% A.W Rs. =	306.90							
Total Rate Rs. =	**5421.90**							
KSRB 5.2-3 : Providing and **constructing granite / trap / basalt size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).								
For Fencing	1	55.00	0.75	0.80	33.00			
	1	103.00	0.75	0.80	61.80			
	1	49.00	0.75	0.80	29.40			
	1	82.00	0.75	0.80	49.20			
In between fencing	1	52.00	0.75	0.80	31.20			
2nd step								
For Fencing	1	55.00	0.60	0.60	19.80			
	1	103.00	0.60	0.60	37.08			
	1	49.00	0.60	0.60	17.64			
	1	82.00	0.60	0.60	29.52			
In between fencing	1	52.00	0.60	0.60	18.72			
					327.36	**Cum**	**4871.76**	**1594819.35**
Basic Rate Rs.=	4596.00							
Add 6% A.W Rs. =	275.76							
Total Rate Rs. =	**4871.76**							
KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.55cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
For Fencing Coping	1	55.00	0.60	0.10	3.30			
	1	103.00	0.60	0.10	6.18			
	1	49.00	0.60	0.10	2.94			
	1	82.00	0.60	0.10	4.92			
In between fencing	1	52.00	0.60	0.10	3.12			
mass concrete for fixing equipments	5	0.60	0.75	0.60	1.35			
					21.81	**Cum**	**5747.32**	**125349.05**
Basic Rate Rs.=	5422.00							
Add 6% A.W Rs. =	325.32							
Total Rate Rs. =	**5747.32**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with **MS. Hot dip Galvanised grill** work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	For Fencing Coping	1	55.00		1.80	99.00			
		1	103.00		1.80	185.40			
		1	49.00		1.80	88.20			
		1	82.00		1.80	147.60			
	In between fencing	1	52.00		1.80	93.60			
						613.80	**Sqm**	**9144.00**	**5612587.20**
	Data Rate	9144.00							
	Fabricating, providing and erecting in position **Hot dip galvanised Gate**. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
	For Gate	1	5.00		2.40	12.00			
		1	3.70		2.40	8.88			
		1	2.00		2.40	4.80			
						25.68	**Sqm**	**12475.00**	**320358.00**
	Data Rate	12475.00							
	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)								
	For Pathway missing	2	60.00			120.00			
	For surround bench	5	6.40			32.00			
	Children Play area kerb stone	1	70.00			70.00			
						222.00			
						493.00	**Nos**	**432.48**	**213212.64**

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Basic Rate Rs.=	408.00							
Add 6% A.W Rs. =	24.48							
Total Rate Rs. =	**432.48**							
Painting two coats after filling the surface with **synthetic enamel paint** in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
For Pathway	2	190.00		0.30	114.00			
For surround bench	5	6.40		0.30	9.60			
Children Play area kerb stone	1	70.00		0.30	21.00			
					144.60	**Sqm**	**84.80**	**12262.08**
Basic Rate Rs.=	80.00							
Add 6% A.W Rs. =	4.80							
Total Rate Rs. =	**84.80**							
Providing and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No-112,I No-14.62)								
For Benches	5	1.80	1.50		13.50			
					13.50	**Sqm**	**1305.92**	**17629.92**
Basic Rate Rs.=	1232.00							
Add 6% A.W Rs. =	73.92							
Total Rate Rs. =	**1305.92**							
KSRRB 2.6 **Providing and filling sand** in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 I N-113 SR 2018-19)								
Children Play area kerb stone	1	25.00	20.00	0.30	150.00			
					150.00	**Cum**	**2183.60**	**327540.00**
Basic Rate Rs.=	2060.00							
Add 6% A.W Rs. =	123.60							
Total Rate Rs. =	**2183.60**							
KSRB 14.6 : Providing and laying heavy duty **cobble stones** interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-103,I No-14.6), **60mm thick**								
For Pathway missing/ damaged	1	60.00	2.00		120.00			
Front of Temple Cobble	1	52.00	26.00		1352.00			
Deduction	-1	7.80	15.00		-117.00			
	-1	12.00	14.00		-168.00			
	-1	6.00	6.00		-36.00			
					1151.00	**Sqm**	**1116.18**	**1284723.18**
Basic Rate Rs.=	1053.00							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Add 6% A.W Rs. =	63.18							
Total Rate Rs. =	**1116.18**							
Executive Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
	10				10.00			
					10.00	**Each**	**18200.00**	**182000.00**
Data Rate	18200.00							
Supplying of dustbin for collection of dry and wet waste for segregation, (Fiber dustbin Modern Type 3.0-3.75 Ft) inclusive of all taxes and transportation charges as per the direction of Engineer in Charge (Data approved rate)								
	2				2.00			
					2.00	**Each**	**18000.00**	**36000.00**
Data Rate	18000.00							
Supply and fixing of childern Play Equipment Curved structural posts of height 3.5m, and 2.7mare to be schedule HOT DIP Galvanized steel with a 114mm ODand 2.2mm (wall) thickness of the tubing. The polesare welded on to a base plate made from steel with 114mm inner diameter. Handrail Dia 60mm shall bean all-robotic welded unit, fabricated from galvanized steel pipes with a baked on powder coating [using AkzoNobel INTERPON paints]finish. Swing of size 3.3 m x 0.9 m, Spring twirlof size 2.8mx 1.6 m, Twirl of size 3.0 m x 0.7 m, Steering wheel loops of size 2.5 m x 0.5 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 of tamper resistant stainless steel. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as per EN1176 standards as a safety feature against protruding hardware, aesthetic pleasing against ugly exposed hardware and prevention against vandalism as well. Plastic Components[super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	1				1.00			
					1.00	**Each**	**1498833.0**	**1498833.00**
Data Rate	1498833.00							
Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								
	1				1.00			
					1.00	**Each**	**126892.0**	**126892.00**
Data Rate	126892.00							
Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of HDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1				1.00			
					1.00	Each	83478.0	83478.00
Data Rate	83478.00							
							Total Construction Cost	12763381.01
							12% GST Charges	1300341.36
							5% Tender Premium	638169.05
							DPR & PMC Charges	298000.00
							Sub Total	14999891.42
							Utility Shifting, Miscellaneous, Rounding off	108.58
							GRAND TOTAL	15000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates and Data Rates.

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Project Division
BBMP Bangalore

Executive Engineer, 6/12/19
Yelahanka Project Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Fixing Stone Benches to Parks comes under Attur Ward No.3

								Estimate Cost Rs.	100.00 Lakhs
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
	For Benches	328	2.00	1.50	0.30	295.20			
						295.20	**Cum**	**394.42**	**116432.78**
	Basic Rate Rs.=	299.00							
	Add 6% A.W Rs. =	17.94							
	Sub Total =	316.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	394.42							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Benches	328	1.80	1.50	0.15	132.84			
	For surround bench kerb	328	6.40	0.20	0.10	41.98			
						174.82	**Cum**	**5421.90**	**947878.25**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)								
	For surround bench	328	6.40			2099.20			
						4665.00	**Nos**	**432.48**	**2017519.20**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
4	Painting two coats after filling the surface with **synthetic enamel paint** in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH (Chapter 8) Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For surround bench	328	6.40		0.30	629.76			
	For Old Delhi Benches	78	4.00			312.00			
						941.76	**Sqm**	**84.80**	**79861.25**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5	Providing and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No-112,I No-14.62)								
	For Benches	328	1.80	1.50		885.60			
						885.60	**Sqm**	**1305.92**	**1156522.75**
	Basic Rate Rs.=	1232.00							
	Add 6% A.W Rs. =	73.92							
	Total Rate Rs. =	**1305.92**							
6	KSRRB M300-53. **Construction of embankment** with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (P.No.147, I.No.19.60)								
	For Benches	328	1.80	1.50	0.20	177.12			
						177.12	**Cum**	**344.50**	**61017.84**
	Basic Rate Rs.=	325.00							
	Add 6% A.W Rs. =	19.50							
	Total Rate Rs. =	**344.50**							
7	**Executive Bench- Made out of Sadarahalli grey stone** with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
		250				250.00			
						250.00	**Each**	**18200.00**	**4550000.00**
	Data Rate	18200.00							
								Total Construction Cost	**8929232.07**
								12% GST Charges	**525507.85**
								5% Tender Premium	**446461.60**
								PMC Charges	**98,000.00**
								Sub Total	**9999201.52**
								Utility Shifting, Miscellaneous, Rounding off	**798.48**
								GRAND TOTAL	**10000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates and Data Rates.

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Project Division
BBMP Bangalore

Executive Engineer, 6/12
Yelahanka Project Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Providing and Fixing Stone Benches to the Parks in Kempegowda Ward No.1 of Yelahanka Sub Division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						Estimate Cost Rs.			50.00 Lakhs
1	KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
	For Benches	164	2.00	1.50	0.30	147.60			
						147.60	**Cum**	**394.42**	**58216.39**
	Basic Rate Rs.=	299.00							
	Add 6% A.W Rs. =	17.94							
	Sub Total =	316.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	394.42							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Benches	164	1.80	1.50	0.15	66.42			
	For surround bench	164	6.40	0.20	0.10	20.99			
						87.41	**Cum**	**5421.90**	**473939.12**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)								
	For surround bench	164	6.40			1049.60			
						2332.00	**Nos**	**432.48**	**1008543.36**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
4	Painting two coats after filling the surface with **synthetic enamel paint** in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For surround bench	164	6.40		0.30	314.88			
	For Old Delhi Benches	39	4.00			156.00			
						470.88	**Sqm**	**84.80**	**39930.62**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Providing and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No-112,I No-14.62)								
For Benches	164	1.80	1.50		442.80			
					442.80	**Sqm**	**1305.92**	**578261.38**
Basic Rate Rs.=	1232.00							
Add 6% A.W Rs. =	73.92							
Total Rate Rs. =	**1305.92**							
KSRRB M300-53. **Construction of embankment** with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (P.No.147, I.No.19.60)								
For Benches	164	1.80	1.50	0.20	88.56			
					88.56	**Cum**	**344.50**	**30508.92**
Basic Rate Rs.=	325.00							
Add 6% A.W Rs. =	19.50							
Total Rate Rs. =	**344.50**							
Executive Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
	125				125.00			
					125.00	**Each**	**18200.00**	**2275000.00**
Data Rate	18200.00							
							Total Construction Cost	**4464399.79**
							12% GST Charges	**262727.98**
							5% Tender Premium	**223219.99**
							PMC Charges	**49,000.00**
							Sub Total	**4999347.76**
							Utility Shifting, Miscellaneous, Rounding off	**652.24**
							GRAND TOTAL	**5000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates and Data Rates.

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Project Division
BBMP Bangalore

Executive Engineer, 6/12/19
Yelahanka Project Division
BBMP Bangalore

Bruhat Bengaluru Mahanagara Palike

Name of Work : Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda ward No.01 of Yelahanka Sub Division

SN	Description of works	Unit	Nos	L	B	D	Qty	RATE	Amount
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5								
		Cum							
	Statue		1	16.3	6.50	0.35	37.08		
	Footing for Statue		1	2.9	2.90	0.90	7.57		
					Total		44.65	322.92	14418.86
	Pg No It No 2.3 of PWD SR 2018-19								
	Basic rate	*299.00*							
	Area Weightage 8%	*23.92*							
	Final Rate	*322.92*							
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12/I.No. 4.2 13 PWD,IWTD								
		Sqm							
	statue area		1	7.05	7.00	0.15	7.40		
					Total		7.40	5609.52	41524.47
	Pg No It No 4.2of PWD SR 2018-19								
	Basic rate	*5194.00*							
	Area Weightage 8%	*415.52*							
	Final Rate	*5609.52*							
3	KSRB 4-5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.								
		Sqm							
	statue area		1	1.2	1.20	1.90	2.74		
	Concrete filling under platform		1	3.65	3.65	0.20	2.66		
	platform				Total		5.40	5754.24	31075.77
	Pg No It No 4.5 of PWD SR 2018-19								
	Basic rate	*5328.00*							
	Area Weightage 8%	*426.24*							
	Final Rate	*5754.24*							
4	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm (P.No.110, I.No.14.47.1 of PWD SR 2018-19)								
		Sqm							
	Statuec area		1	7.05	7		49.35		
			4	3.65	0.2		2.92		
					Total		52.27	2458.08	128483.84
	Pg No 109 It No 14.47.1 of PWD SR 2018-19								
	Basic rate	*2276.00*							
	Area Weightage 8%	*182.08*							
	Final Rate	*2458.08*							
5	Providing and fixing of wall cladding using 20 mm thick gang saw water cut granite in CM 1:3 proportion cut to required shape patron with paper joint finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm × 12mm grooves in joints including curing etc., complete - with Sadarahalli granite 20mm thick gang saw with minimum width 1200								
		Sqm							
	Vertical cladding		1	6.6	1.4		9.24		
	Top		1	1.85	1.85		3.42		
					Total		12.66		
	Pg No 1132It No 14.67.2of PWD SR 2018-19								

SN	Description of works	Unit	Nos	L	B	D	Qty	RATE	AMOUNT
	Basic rate	*2162.00*							
	Area Weightage 8%	*172.96*							
	Final Rate	*2334.96*							
6	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. (P.No. 108, I.No. 14.55								
		Rmt							
	vertical cladding		1	6.6			6.60		
	Top		4	1.85			7.40		
						Total	14.00	291.60	4082.40
	Pg No 111 It No 14.55of PWD SR 2018-19								
	Basic rate	*270.00*							
	Area Weightage 8%	*21.60*							
	Final Rate	*291.60*							
7	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)								
	0.00	sqm							
	statue platform footing		1	10.8		0.45	4.86		
						Total	4.86	278.64	1354.19
	Pg No 16 It No 4.6.1of PWD SR 2018-19								
	Basic rate	*258.00*							
	Area Weightage 8%	*20.64*							
	Final Rate	*278.64*							
8	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	statue walls outer	sqm	1	6.6		1.90	12.54		
	inner side		1	4.8		1.90	9.12		
	Slab		1	7.2		0.25	1.80		
						Total	23.46	492.48	11553.58
	Pg No 16 It No 4.6.5of PWD SR 2018-19								
	Basic rate	*456.00*							
	Area Weightage 8%	*36.48*							
	Final Rate	*492.48*							
9	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.								
		Cum							
	statue platform footing		1	2.70	2.70	0.45	3.28		
	walls		2	1.65	0.25	1.90	1.57		
			2	1.65	0.25	1.90	1.57		
	slab semicircle shape at end		1	1.80	1.80	0.10	0.32		
	Slab		1	1.80	1.80	0.15	0.49		
	Raft					Total	7.23	6111.72	44160.23
	Pg No 16 It No 4.2.2of PWD SR 2018-19								
	Basic rate	*5659.00*							
	Area Weightage 8%	*452.72*							
	Final Rate	*6111.72*							
10	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500								
						Total in Tonne	1.5000	76643.28	114964.92
	Pg No 18 It No 4.9.2of PWD SR 2018-19								
	Basic rate	*70966.00*							
	Area Weightage 8%	*5677.28*							
	Final Rate	*76643.28*							
11	KSRB15.-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications								
		Sqm							
	vertical cladding		1	7	1.35		9.45		
			1	1.85	1.85		3.42		

S.N	Description of works	Unit	Nos	L	B	D	Qty	RATE	Amount
					Total		12.87	221.40	2849.42
	Pg No 117 It No 15.5.1of PWD SR 2018-19								
	Basic rate	***205.00***							
	Area Weightage 8%	***16.40***							
	Final Rate	***221.40***							
12	KSRB13-8.3 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 32mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9								
	Dhyan Chand statue work	MTR							
	For watering and fountain connection		1.00	50.00			50.00		
					Total		50.00	205.20	10260.00
	Pg No 95 It No 13.68.1of PWD SR 2018-19								
	Basic rate	***190.00***							
	Area Weightage 8%	***15.20***							
	Final Rate	***205.20***							
13	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lead and lift etc., complete.- for 50mm dia:								
		Each	2.00				2.00		
					Total		2.00	792.72	1585.44
	Pg No 97 It No 13.79 of PWD SR 2018-19								
	Basic rate	***734.00***							
	Area Weightage 8%	***58.72***							
	Final Rate	***792.72***							
14	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR								
	For statue around area	sqm							
			1	4.00	2.70		10.80		
			1	11.00	4.95		54.45		
					Total		65.25	1330.56	[illegible]
	Pg No 112 It No 14.62 of PWD SR 2018-19								
	Basic rate	***1232.00***							
	Area Weightage 8%	***98.56***							
	Final Rate	***1330.56***							
15	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 10 sqmm								
	For connection	**Mtr**							
			1	40.00			40.00		
					Total		40.00	130.00	5200.00
	Basic rate Electrical SR 2018-19	***130.00***							
16	Supply of LED floodlight luminaire with pressure die cast								
	For gardening and around statue		2				2		
					Total		2.00	18000	36000.00
	LED Floodlight 200W		18000						
								Sub Total	534332.17
								GST Charges (12% of estimated cost)	64119.86
								Total Amount	598452.03
17	Making of clay modeling as per the approved schematic sketch for the above (Approved quotation rate)								
	Statue	Nos	1	1			1		
					Total		1.00	165200.00	165200.00
	Approved Quotation rate	***140000.00***							
	Add 18% GST	***25200.00***							
	Final Rate	***165200.00***							
18	Making of POP negative mould as per the approved clay model (Approved quotation rate)								
	Statue	Nos	1	1			1		
					Total		1.00	271400.00	271400.00
	Approved Quotation rate	***230000.00***							
	Add 18% GST	***41400.00***							
	Final Rate	***271400.00***							
19	Making of FRP (Fiber Reinforced Plastic) casting master pattern for the above model (Approved quotation rate								
	Statue	Nos	1	1			1		
					Total		1.00	501500.00	501500.00
	Approved Quotation rate	***425000.00***							

S.N	Description of works	Unit	Nos	L	B	D	Qty	RATE	Amount
	Add 18% GST	***76500.00***							
	Final Rate	***501500.00***							
20	Making of Bronze Metal casting by ABC mould by silica sand process with all necessary melting process materials (Approved quotation rate)								
	Statue	Nos	1	1			1		
					Total		1.00	861400.00	861400.00
	Approved Quotation rate	***730000.00***							
	Add 18% GST	***131400.00***							
	Final Rate	***861400.00***							
21	Making of hand carving/ chiseling grinding, brazing, antic bornze oxidizing by acid process including cost of bronze ornamental finishing (Approved quotation rate)								
	Statue	Nos	1	1			1		
					Total		1.00	300900.00	300900.00
	Approved Quotation rate	***255000.00***							
	Add 18% GST	***45900.00***							
	Final Rate	***300900.00***							
22	Imported PU Poly utherin lacqor coating (Approved quotation rate)								
	Statue	Nos	1	1			1		
					Total		1.00	141600.00	141600.00
	Approved Quotation rate	***120000.00***							
	Add 18% GST	***21600.00***							
	Final Rate	***141600.00***							
23	The height of the Statue would be about 12' and supported 1' height pedestal with a weight of about 1200 kgs excluding								
	Statue	Nos	1	1			1		
					Total		1.00	2800000.00	2800000.00
	Approved Quotation rate inclusive of GST	***2800000.00***							
24	Transportation of above statue to the erection spot and fixing with necessary fixtures including hire charges of machineries required for transportation & erection with necessary labour, applicable taxes etc., complete as per the direction of engineer in charge. (Approved quotation rate)								
	Statue	Nos	1	1			1		
					Total		1.00	118000.00	118000.00
	Approved Quotation rate	***100000.00***							
	Add 18% GST	***18000.00***							
	Final Rate	***118000.00***						***Total Amount***	5160000.00
25	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road								
	Qty vide no 2						44.65		
					Total		44.65	119.88	5352.85
	Pg No 136 It No 17.2 of PWD SR 2018-19								
	Basic rate	***111.00***							
	Area Weightage 8%	***8.88***							
	Final Rate	***119.88***							
26	Providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications.								
			1	50	1.2		60		
			4	7	1.2		33.6		
							93.6	6502.68	608650.8
	Pg No 45 It No 7.38 of PWD SR 2018-19								
	Basic rate	***6021.00***							
	Area Weightage 8%	***481.68***							
	Final Rate	***6502.68***							
								Sub Total	614000
								GST Charges (12% of estimated cost)	73680
								Total Amount	687680
	GYM platform and children play Area								
27	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,IRC-SP-20&27 4&8, 17.1) 50cm le 57+2.0x1.28x5 =69.80								
	Childrens play area								
	Concrete Blocks and Kerb	Cum	1.00	62.00	0.35	0.35	7.60		

N	Description of works	Unit	Nos	L	B	D	Qty	RATE	Amount
	Basic rate	130.00							
	Area weightage 6%	7.80							
	5Km lead & Lift= 57+(2*1.28*5)	69.80							
	Sub Total	**207.60**							
	Total						7.595	207.60	1576.722
28	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Childrens play area								
	for Solid Blocks	cum	1.00	62.00	0.20	0.15	1.86		
	for Kerbstone	Cum	1.00	62.00	0.15	0.10	0.93		
	Basic rate	5115.00							
	Area weightage 6%	306.90							
	Sub Total	**5421.90**							
	Total						2.79	5421.90	15127.1
29	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(item no5.27.1 page no27)								
	Childrens play area								
	for Solid Blocks	Sqm	1.00	62.00		0.80	49.6		
	Basic rate	912.00							
	Area weightage 6%	54.72							
	Sub Total	**966.72**							
	Total						49.6	966.72	47949.3
30	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete(page no 27 item no 5.30)								
	Childrens play area								
	for Kerbstone	m	1	62			62.00		
	Total length						62.00		
	No of Kerb Stones	Nos			Total Length/0.45		**138.00**		
	Basic rate	408.00							
	Area weightage 6%	24.48							
	Sub Total	**432.48**							
	Total						138.00	432.48	59682.2
31	KSRB 15-15.3 Providing and applying painting in two coat with Synthetic enamel paint of approved brand and manufacture on concrete surface with cost of materials ,labour ,complete as per specifications.(SR Pg no 180 item no 24.1)								
	Childrens play area								
	for Kerbstone	Sqm	1.00	62.00		0.50	31.00		
	Basic rate	80.00							
	Area weightage 6%	4.80							
	Sub Total	**84.80**							
	Total						31.00	84.80	2628.8
32	KSRRB 2.6 Providing and filling sand in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 I N-2.13 SR 2018-19)								
	Childrens Play Area	cum	1.00	10.00	21.00	0.45	94.50		
	Basic rate	2060.00							
	Area weightage 6%	123.60							
	Sub Total	**2183.60**							
	Total						94.50	2183.60	206350.2
33	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	for CHILDREN'S PLAY EQUIPMENTS	**cum**	16.00	0.45	0.45	0.45	1.458		
	Basic rate	5328.00							
	Area weightage 6%	319.68							

LN	Description of works	Unit	Nos	L	B	D	Qty	RATE	Amount
	Sub Total	5647.68					1.458	5647.68	8234.31744
	Total							Sub Total	341548.7
								GST Charges (12% of estimated cost)	40985.84309
								Total	382534.5
	CHILDREN'S PLAY EQUIPMENTS								
.00	Supply and fixing of childern Multi Play Equipment with curved slide and number panel : Upright structural posts of height 2.4 m, 2.7 m, 3.3 m schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. All metal components are to be finished with a baked on powder coat finish.With deck of size 1.45 x 1.45m and Staircase of size 1.5m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Along with Handrail of height 2.2 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish.Curved Slide of size 1.94 m x 1.85 m x 2.4 m, Panels,Toprails Of Monkey loop of size 1.8 m x 1.3 m.Deck of size 1.45 x 1.45m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Roof of size Dia 2 m and height 0.82 m, Spiral Slide of size 1.16 m x 1.6 m x 3.6 m, Panels The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								
		Each	1.00				1.00		
								2201295.00	
	Data Rate						1.00	2201295.00	2201295.00
	Total								
.00	Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								
		Each	1.00				1.00		
								83478.00	
	Data Rate						1.00	83478.00	83478.00
	Total								
.00	Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								
		Each	1.00				1.00		
								126892.00	
	Data Rate						1.00	126892.00	126892.00
	Total								
.00	Supply and fixing of childern Play Equipment Puppy dog Rider / Elephant rider / Horse rider : : HDPE of size 0.83 m x 0.31 m x 0.87 m, Plastic Components [super thick plastic] shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with "color molded" in not "added in". All rotational molding is carried out in state of the art, precision, bi axial roto moulding machines which helps achieve guaranteed uniform wall thickness, seamless joints, accurate process control, one part construction to make it stress free. Specialized connectors such as clamps and couplings are to be cast from aluminium which is pre-treated, and cured, with a baked on powder coat finish.The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								
		Each	1.00				1.00		
								55776.00	
	Data Rate						1.00	55776.00	55776.00
	Total							CHILDRENS PLAY EQUIPMENT	2467441.00
								Total Amount	9296111.68
								DPR Charges (1% of estimated cost)	100000.00
								Project management And Consultancy Charges(1% of estimated cost)	100000.00
								Tender Premium (5% of Estimated Cost)	500000.00
								Miscellenious and rounding	3626.65
								Grand Total	9999738.33

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates and Data Rates.

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Project Division
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division
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